

Steel Doorset Specification

Our Steel Doors are custom made to suit existing structural opening for use as Security Doors, Escape Doors, Fire Doors, Personnel etc.

Fire Rated Doorsets

We also supply fire doors with a certificate of four hours on a double fire door set and six hours on a single fire door set. Both doorsets can have glazing and still carry the same certifications.

All fire doors are designed on a CAD/CAM system and manufactured with CNC punching and pressing facilities.

Door Leaves

Manufactured from 1.2, 1.6 or 2.0 Zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels and horizontally with tubes to prevent twisting. Spaces are filled with dense Rockwool.

Unless specified you will have our standard honeycomb filled leaf which is still as strong and rigid as a rockwool filled leaf but is very much lighter. This is a better option if powder coating is required.

Standard thickness is 45mm, but any other thickness is available on request.

Choosing a Steel Door

External Steel Door

An opening outward lipped door with a cill and weather canopy is the best choice. The lip protects the latches and bolts. It is harder to pull a door off than to ram it inward. It is much better for weather proofing and it saves internal spaces.

If it opens inwards, a flush door with cill and weather board is better for weather proofing.

Escape Steel Door

If regulations require a minimum clearway, add 126mm to the width and 63mm (no cill) to the height to arrive at the structural opening required.

Special Steel Doors

Apart from Zintec steel, doors can be manufactured and supplied in aluminium, stainless steel 304 or 316. Special jamb profiles can be supplied to suit the shape of opening.

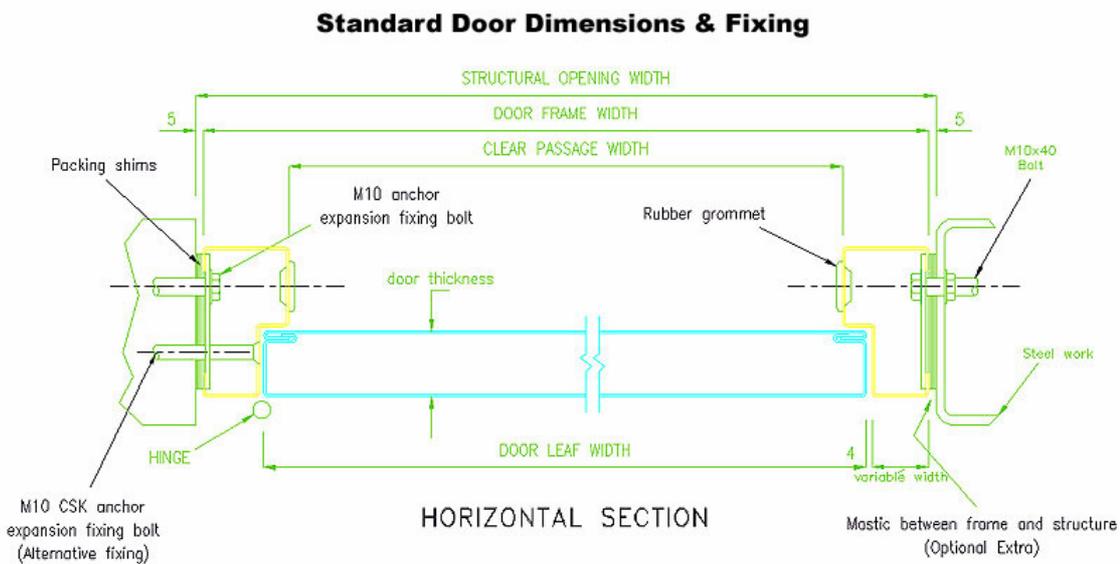
Door Handing

Single

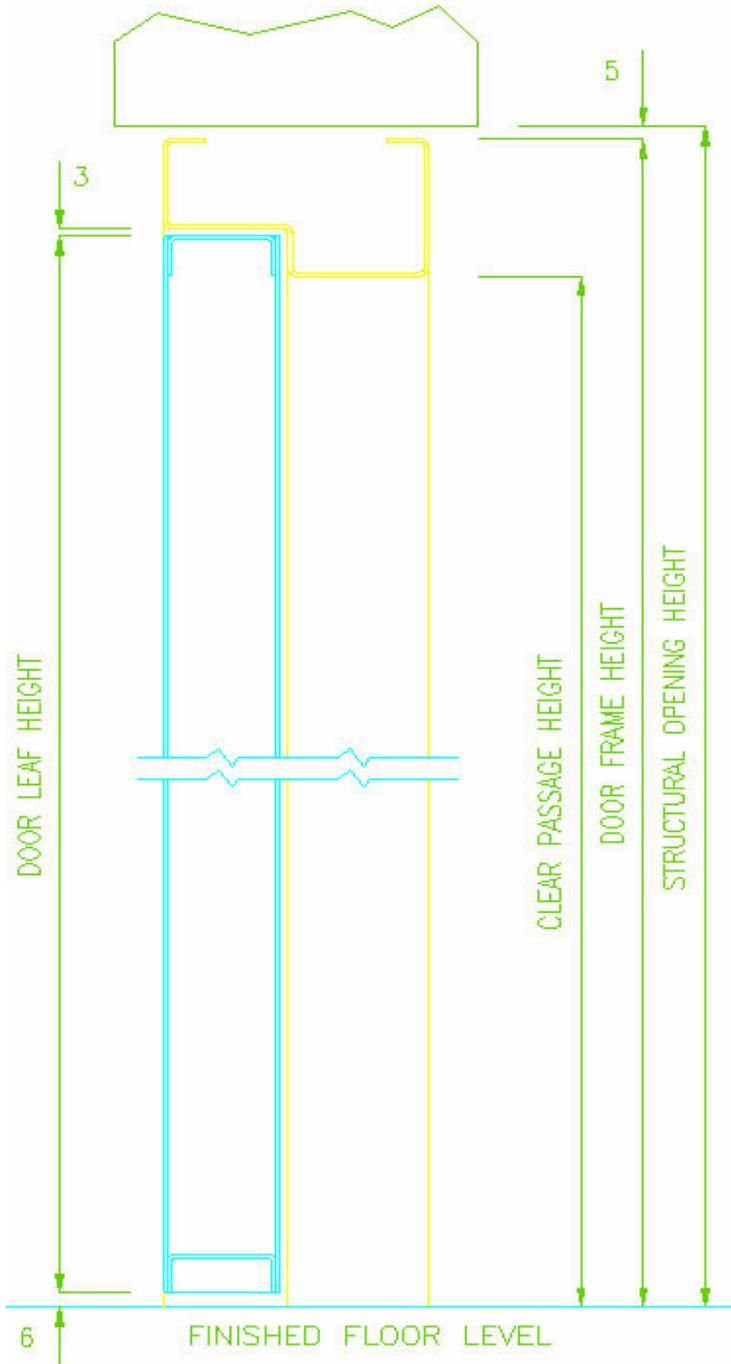
The handing is defined by viewing the door from the pull side. If the hinges are on the right side it is a right hand door.

Double

The handing is based on the first opening leaf. Viewing from the pull side, if the hinged of the primary leaf are on the left, then the door is defined as a left hand door.



Vertical Section



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